

REMARKS/ARGUMENTS

In the office action, the Examiner rejected claims 32 and 25 under 35 U.S.C. §112(2) as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. More specifically, the Examiner objected to the terms “the first sensor”, “the second sensor,” “the third sensor,” “the fourth sensor,” “the first direction signal,” “the second direction signal,” “the third direction signal,” and “the fourth direction signal” as lacking proper antecedent basis. Also, the Examiner found the phrase “if compose of . . .” unclear. Applicants have amended claims 32 and 35 to provide proper antecedent basis, and to positively recite “comprising . . .”. Accordingly, the rejection is believed to be overcome.

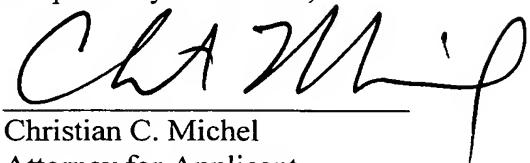
Next, the Examiner rejected claims 1-7 and 30-35 under either 35 U.S.C. §102(e) or §103(a) based on U.S. Published Patent Application No. 2004/0203532 to Mizuta. However, Mizuta is not prior art since applicants conceived of the present invention prior to the U.S. filing date of Mizuta on March 28, 2003, and diligently reduced the invention to practice on the constructive reduction to practice date of April 1, 2003 (the filing date of the Korean Priority application). Applicants submit a Declaration under Rule 37 CFR §1.131 (Exhibit A), a copy of the Invention Disclosure Document (Exhibit B), a certified translation of the Invention Disclosure Document (Exhibit C), and a certified English translation of the Korean priority application (Exhibit D) as evidence of prior invention. In accordance with MPEP §XXXX, the relevant dates have been redacted from the Invention Disclosure

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Document (Exhibit B) and the certified translation thereof (Exhibit C). Accordingly, since Mizuta is not prior art, the rejections must be withdrawn.

In view of the above, it is believed that the application is in condition for allowance and notice to this effect is respectfully requested. Should the Examiner have any questions, the Examiner is invited to contact the undersigned at the telephone number indicated below.

Respectfully Submitted,



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